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built up by deposits of mud and sand.

when at the same time small valley glaciers and ice falls were active in and near areas of high topographic relief. The sea invaded the region formerly occupied by ice, and

seabed features were partly eroded and some new sedimentary deposits were formed. Today, the sea floor mainly is modified by strong southwestward-flowing

bottom currents caused by storm winds from the northeast. These currents erode sediments from the shallow banks and transport them into the basins. With time, the banks affected by these currents become coarser, as sand and mud are removed but gravel remains; and the western flanks of the banks, and adjacent basins, are

Page C. Valentine, Jessica L. Baker, and Tanya S. Unger

SUN-ILLUMINATED SEA FLOOR TOPOGRAPHY OF QUADRANGLE 1

IN THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY

OFF BOSTON, MASSACHUSETTS

1999

PRE-PUBLICATION COPY

CAPE COD BAY

Location map - Shows mapped quadrangle outlined. Stellwagen Bank National Marine Sanctuary (SBNMS) boundary shown as